OPINION 1965

Euchilus Sandberger, 1870 and *Stalioa* Brusina, 1870 (Mollusca, Gastropoda): *Bithinia deschiensiana* Deshayes, 1862 and *Paludina desmarestii* Prévost, 1821 designated as the respective type species, with the conservation of *Bania* Brusina, 1896

Keywords. Nomenclature; taxonomy; Gastropoda; prosobranchs; HYDROBIIDAE; *Euchilus*; *Stalioa*; *Bania*; *Euchilus deschiensianus*; *Stalioa desmarestii*; *Bania prototypica*; Tertiary.

Ruling

(1) Under the plenary power all previous fixations of type species for the following nominal genera are hereby set aside:
   (a) *Euchilus* Sandberger, 1870 prior to that by Sandberger (1872) of *Bithinia deschiensiana* Deshayes, 1862;
   (b) *Stalioa* Brusina, 1870 prior to that by Cossmann (1893) of *Paludina desmarestii* Prévost, 1821.

(2) The following names are hereby placed on the Official List of Generic Names in Zoology:
   (a) *Euchilus* Sandberger, 1870 (gender: masculine), type species by subsequent designation by Sandberger (1872) *Bithinia deschiensiana* Deshayes, 1862 by the ruling in (1)(a) above;
   (b) *Stalioa* Brusina, 1870 (gender: feminine), type species by subsequent designation by Cossmann (1893) *Paludina desmarestii* Prévost, 1821 by the ruling in (1)(b) above;
   (c) *Bania* Brusina, 1896 (gender: feminine), type species by monotypy *Stalioa prototypica* Brusina, 1872.

(3) The following names are hereby placed on the Official List of Specific Names in Zoology:
   (a) *deschiensiana* Deshayes, 1862, as published in the binomen *Bithinia deschiensiana* (specific name of the type species of *Euchilus* Sandberger, 1870);
   (b) *desmarestii* Prévost, 1821, as published in the binomen *Paludina desmarestii* (specific name of the type species of *Stalioa* Brusina, 1870);
   (c) *prototypica* Brusina, 1872, as published in the binomen *Stalioa prototypica* (specific name of the type species of *Bania* Brusina, 1896).

(4) The following names are hereby placed on the Official Index of Rejected and Invalid Names in Zoology:
   (a) *Stoliva* Fuchs, 1877 (an incorrect subsequent spelling of *Stalioa* Brusina, 1870);
   (b) *Sandbergeriella* Schlickum, 1968 (a junior objective synonym of *Stalioa* Brusina, 1870);
   (c) *Stalioia* Fischer, 1885 (an unnecessary replacement name and junior objective synonym of *Stalioa* Brusina, 1870).

History of Case 3008

An application for the designation of *Bithinia deschiensiana* Deshayes, 1862 and *Paludina desmarestii* Prévost, 1821 as the respective type species of *Euchilus* Sandberger, 1870 and *Stalioa* Brusina, 1870, together with the conservation of *Bania* Brusina, 1896, was received from Dr D. Kadolsky (*Sanderstead, South Croydon, Surrey, U.K.*) on 11 December 1995. After correspondence the case was published in BZN **55**: 82–86 (June 1998). Notice of the case was sent to appropriate journals.

A comment from Prof Philippe Bouchet (*Muséum National d'Histoire Naturelle, Paris, France*) was published in BZN **56**: 187 (September 1999). Prof Bouchet opposed the designation of *Bithinia deschiensiana* Deshayes, 1862 as the type species of *Euchilus* Sandberger, 1870 and the suppression of the name *Stoliva* Fuchs, 1877, a doubtful senior subjective synonym of *Bania* Brusina, 1896 (para. 8 of the application). A reply from the author of the application was published in BZN **56**: 266–267 (December 1999).

The application was offered for voting in three parts. Vote 1 related to the conservation of *Euchilus* Sandberger, 1870 and placement of the name, and the name of its type species, on Official Lists (proposals (1)(a)(i), (2)(a) and (3)(a) on BZN **55**: 84). Vote 2 related to the conservation of *Stalioa* Brusina, 1870 and placement of the name, and the name of its type species, on Official Lists, together with placement of the junior objective synonyms *Sandbergeriella* Schlickum, 1968 and *Stalioia* Fischer, 1885 on the Official Index (proposals (1)(a)(ii), (2)(b), (3)(b), (4)(b) and (4)(c) on BZN **55**: 84–85). Vote 3 related to the conservation of *Bania* Brusina, 1896 and placement of the name, and the name of its type species, on Official Lists, together with suppression of the name *Stoliva* Fuchs, 1877 (proposals (1)(b), (2)(c), (3)(c) and (4)(a) on BZN **55**: 85).

Decision of the Commission

On 1 September 2000 the members of the Commission were invited to vote on the proposals published in BZN **55**: 84–85. At the close of the voting period on 1 December 2000 the votes were as follows:

Vote 1. Affirmative votes — 13: Brothers, Cogger, Kerzhner, Kraus, Lamas, Macpherson, Mahnert, Martins de Souza, Mawatari, Nielsen, Ng, Papp, Štys

Negative votes — 5: Alonso-Zarazaga, Bock, Bouchet, Calder and Rosenberg.

Vote 2. Affirmative votes — 14: Alonso-Zarazaga, Brothers, Cogger, Kerzhner, Kraus, Lamas, Macpherson, Mahnert, Martins de Souza, Mawatari, Ng, Papp, Rosenberg, Štys

Negative votes — 4: Bock, Bouchet, Calder and Nielsen.

Vote 3. Affirmative votes — 11: Brothers, Cogger, Kerzhner, Kraus, Lamas, Macpherson, Mahnert, Martins de Souza, Mawatari, Ng, Papp

Negative votes — 7: Alonso-Zarazaga, Bock, Bouchet, Calder, Nielsen, Rosenberg and Štys.

Patterson and Song abstained.

No votes were received from Dupuis, Eschmeyer and Ride.

Minelli was on leave of absence.

Calder commented: 'Maintaining the type species fixations that are valid under the Code of both *Euchilus* Sandberger, 1870 and *Stalioa* Brusina, 1870 and, if necessary, establishing a new name for the genus-group taxon including *Bithinia deschiensiana* Deshayes, 1862 would not seem overly disturbing to nomenclatural stability in this case'. Kerzhner commented: 'I am against the placement of the name *Stoliva* Fuchs, 1877 on the Official Index, and I also consider the placement of *Sandbergiella* Schlickum, 1968 and *Stalioia* Fischer, 1885 on the Index to be superfluous. There are three other incorrect subsequent spellings of *Stalioa* listed in vol. 4 (1940) of S.A. Neave's *Nomenclator Zoologicus*'. Ng commented: 'I see no reason why the name *Stoliva* should be suppressed. It is clearly an incorrect spelling, as pointed out by Bouchet in his comment, and if treated as such poses no nomenclatural problems'. Rosenberg commented: 'Because of the conflicting taxonomic concepts of *Euchilus*, I think stability of nomenclature would be best served by making the name an objective synonym of *Stalioa*'.

In Vote 3 the proposal to suppress the name *Stoliva* Fuchs, 1877 failed to meet the two-thirds majority necessary for approval, and the name is placed on the Official Index as an incorrect subsequent spelling of *Stalioa* Brusina, 1870. The name *Bania* Brusina, 1896 has been removed from the synonymy of *Stalioa* by the designation of *Paludina desmarestii* Prévot, 1821 as the type species of *Stalioa* in Vote 2; *Bania* is conserved and placed on the Official List with *Stalioa prototypica* Brusina, 1872 as the type species.

Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

Bania Brusina, 1896, *Glasnika Hrvatskoga Naravoslovnoga Drustva*, **9**: 130. [In Serbo-Croatian and French].

deschiensiana, *Bithinia*, Deshayes, 1862, *in*: *Description des animaux sans vertèbres du Bassin de Paris*, part 2, p. 492.

desmarestii, *Paludina*, Prévost, 1821, *Journal de Physique, de Chimie, d'Histoire naturelle et des Arts*, **92**: 426.

Euchilus Sandberger, 1870, *Die Land- und Süsswasser-Conchylien der Vorwelt*, livraison 2–3, pl. 11, fig. 10.

prototypica, *Stalioa*, Brusina, 1872, *Rad Jugoslavenske Akademije Znanosti i Umjetnosti*, **19**: 144.

Sandbergeriella Schlickum, 1968, *Archiv für Molluskenkunde*, **98**(1–2): 53.

Stalioa Brusina, 1870, *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien*, **20**: 937.

Stalioia Fischer, 1885, *in*: *Manuel de conchyliologie et de paléontologie conchyliologique ou histoire naturelle des mollusques vivants et fossiles*, p. 731.

Stoliva Fuchs, 1877, *Zeitschrift der Deutschen Geologischen Gesellschaft*, **29**(4): 682.

The following is the reference for the designation of *Bithinia deschiensiana* Deshayes, 1862 as the type species of *Euchilus* Sandberger, 1870:

Sandberger, C.L.F. von. 1872. *Die Land- und Süsswasser-Conchylien der Vorwelt*, livraison 6–8, p. 225.

The following is the reference for the designation of *Paludina desmarestii* Prévost, 1821 as the type species of *Stolioa* Brusina, 1870:

Cossmann, M. 1893. *Annales de la Société Royale Malacologique de Belgique*, **28**: 15.